

# Akira Bowman

## Roadway Engineer Intern

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### SUMMARY

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Recent graduate eager to contribute skills in Civil Engineering within a dynamic team. Possessing hands-on experience with transportation design projects, leveraging Microstation and GEOPAK for developing designs and engineering documents. Skilled in collaborating on multi-discipline teams, actively engaging in discussions to refine methodologies and present findings effectively. A strong commitment to innovation is evident through academic projects focused on optimizing traffic flow and enhancing safety measures. Looking forward to applying technical expertise and creativity to deliver effective engineering solutions at Innovative Engineering Solutions.

### EDUCATION

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#### Bachelor of Science in Civil Engineering

University of Florida 🎓 GPA: 3.8 📅 2026 📍 Gainesville, FL

**Coursework:** Transportation Engineering, Structural Analysis, Materials Science, Environmental Engineering

### TECHNICAL SKILLS

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- **Software Proficiencies:** Microstation, GEOPAK, AutoCAD
- **Engineering Methodologies:** BIM, CAD, Traffic Simulation
- **Data Analysis Tools:** Excel, MATLAB, Python
- **Project Management Tools:** Trello, Microsoft Project, Asana
- **Document Management Systems:** SharePoint, OneDrive, Google Drive
- **Design Standards:** FDOT, AASHTO, ISO
- **Presentation Software:** PowerPoint, Prezi, Canva
- **Construction Technologies:** 3D Modeling, Corridor Modeling, ICT
- **Safety Standards:** OSHA, ASTM, LEED
- **Collaboration Platforms:** Slack, Zoom, Microsoft Teams

### SKILLS

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- Microstation
- Technical Documentation
- Traffic Simulation
- Geometric Design
- GEOPAK
- Project Management
- Data Analysis
- Quantity Estimation
- AutoCAD
- Team Collaboration
- Research Skills
- Communication Skills
- 3D Modeling
- Construction Planning
- Pavement Design
- Problem Solving

### EXPERIENCE

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#### Transportation Design Intern

University Project 📅 January 2026 – May 2026 📍 Remote

Engaged as an intern in a capstone project that emulated real-world transportation design processes, focusing on creating comprehensive construction plans utilizing advanced software tools.

- Executed simulations for geometric alignment and cross-sectional studies as part of the design-build process.
- Created engineering documents including Typical Section Packages to support project execution and compliance.
- Utilized Microstation and GEOPAK to produce precise construction plans adhering to industry standards.
- Performed quantity estimations that illuminated budgetary impacts critical for project planning stages.
- Collaborated closely with faculty and peers, fostering a shared learning environment and advocating for innovative solutions.
- Communicated findings effectively through presentations that highlighted methodological advancements and project objectives.

#### Engineering Research Assistant

Academic Research 📅 August 2025 – December 2025 📍 Orlando, FL

Served in a research role focused on analyzing sustainable transportation systems, gaining insights into their implications on community infrastructure.

- Supported data collection initiatives while contributing analytical insights to expand understanding of traffic conditions.
- Developed thorough reports illustrating key research findings and recommendations for local traffic improvements.
- Aided in crafting engineering documents consistent with prevailing standards and best practices of the industry.
- Applied software tools to assess transportation scenarios, improving overall design efficacy.
- Participated in regular team meetings, facilitating knowledge sharing and nurturing collaborative relationships.

- Familiarized with regulatory requirements impacting transportation projects, strengthening comprehension of compliance aspects.

## Design Team Member

Hackathon Project 📅 March 2025 📍 Orlando, FL

Contributed as part of a dynamic team to develop a mobile application focused on traffic flow improvement, integrating user feedback throughout the design process.

- Collaborated extensively in conceiving and prototyping the application's user interface while ensuring functionality.
- Conducted iterative user testing sessions which directly informed design modifications, enhancing usability.
- Presented a polished final product to industry judges, receiving accolades for creative solutions to urban challenges.
- Cultivated teamwork skills essential for successful project delivery in high-pressure environments.
- Applied engineering principles practically by linking theoretical concepts to tangible user needs.
- Sharpened communication abilities by articulating complex ideas clearly to a diverse audience.

## LEADERSHIP & AWARDS

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- Dean's List, University of Florida, 2025
- Best Project Award, University Engineering Competition, 2025

## CERTIFICATIONS

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- Fundamentals of Engineering (FE) 📅 2026

## PROFESSIONAL AFFILIATIONS

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- Member, Civil Engineering Society, 2024 – 2026
- Volunteer, Habitat for Humanity, 2024 – 2025

## LANGUAGES

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- English (Native)
- Spanish (Intermediate)

## ADDITIONAL INFORMATION

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**Work Status** : Authorized to work in United States. No sponsorship required.

## REFERENCES

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AVAILABLE ON REQUEST